

Abstract of the Disclosure

Five fluorogenic probe hydrolysis reverse transcriptase-polymerase chain reaction (RT-PCR) (TaqMan™) assays are described for serotype-specific detection of dengue 1-4 and group-specific detection of dengue viruses. Type- and group-specific oligonucleotide primers and fluorogenic probes were designed against conserved regions of the dengue genome. The invention provides TaqMan PCR assays, which are rapid, sensitive, and specific screening and serotyping tools for the epidemiological study of dengue infections.

1. The present invention relates to a method of
2. determining the relative concentration of
3. a specific component in a mixture of
4. components. The method involves the use of
5. a series of calibration curves which are
6. generated from known concentrations of the
7. component of interest. The concentration of
8. the component in the mixture is then
9. determined by comparing the measured
10. value to the calibration curves.